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L17 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:102645 HCAPLUS

DOCUMENT NUMBER: 128:226254

TITLE: Proteasome inhibitors for prevention of nerve cell degeneration and apoptosis

INVENTOR(S): Kojima, Shinichi; Ito, Akira

PATENT ASSIGNEE(S): Sumitomo Pharmaceuticals Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

INT. PATENT CLASSIF.:

MAIN: A61K-045/00

SECONDARY: A61K-038/00; C07K-005/068; C07K-005/083; C07K-005/09;
C12P-021/02; C07K-005/062; C12R-001/645

CLASSIFICATION: 1-11 (Pharmacology)

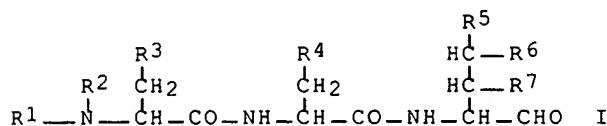
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP-10036289	A2	19980210	1996JP-0214208	19960724 <--

OTHER SOURCE(S): MARPAT 128:226254

GRAPHIC IMAGE:



ABSTRACT:

Proteasome inhibitors (I; R₁ = acyl, amino acid residue or protective group; R₂ = H, -(CH₂)₂- , or linkage with R₃; R₃ = alkyl, carbamoyl, or protected carboxymethyl; R₄ = H, alkyl, allyl, carbamoylmethyl; R₅, R₆, R₇ = H, alkyl) e.g. lactacystin, .beta.-lactone-type lactacystin, or descarboxylactacystin are claimed for prevention of nerve cell degeneration and apoptosis. from trauma, surgery, malnutrition, diabetes mellitus, nervous diseases, tumors, or drug toxicity.

SUPPL. TERM: proteasom. inhibitor nerve disease apoptosis
INDEX TERM: Alzheimer's disease
Antitumor agents
Apoptosis
Diabetes mellitus
Diabetic neuropathy
Diabetic retinopathy
Drug toxicity
Eye diseases
Malnutrition
Nerve degeneration
Nervous system diseases
Parkinson's disease
Surgery
Trauma
(proteasome inhibitors for prevention of nerve cell
degeneration and apoptosis)
INDEX TERM: 140879-24-9, Organelle, proteasome
ROLE: BPR (Biological process); BIOL (Biological study);
PROC (Process)
(inhibitors; proteasome inhibitors for prevention of
nerve cell degeneration and apoptosis)
INDEX TERM: 204638-15-3P 204638-16-4P
ROLE: BAC (Biological activity or effector, except adverse);
SPN (Synthetic preparation); THU (Therapeutic use); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(proteasome inhibitors for prevention of nerve cell
degeneration and apoptosis)
INDEX TERM: 133343-34-7, Lactacystin 133407-82-6 144830-87-5
204638-17-5
ROLE: BAC (Biological activity or effector, except adverse);
THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(proteasome inhibitors for prevention of nerve cell
degeneration and apoptosis)